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Framework Convention on Climate Change

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Annual status report of the greenhouse gas inventory of Canada

1. This status report was prepared by the secretariat as part of the initial check of the greenhouse gas inventory submitted in accordance with decision 19/CP.8. It reflects the content of the inventory submission of 2014 as originally submitted by the Party.

2. In this report, the following abbreviations are used:

CRF: common reporting format

LULUCF: land use, land-use change and forestry

NIR: national inventory report

SBDT: sectoral background data tables

SOPU: solvent and other product use

Notation keys

C: confidential

IE: included elsewhere

NA: not applicable

NE: not estimated

NO: not occurring

Gases

CO_2: carbon dioxide

CH_4: methane

N_2O: nitrous oxide

HFCs: hydrofluorocarbons

PFCs: perfluorocarbons

SF_6: sulphur hexafluoride

NO_X: nitrogen oxides

CO: carbon monoxide

NMVOCs: non-methane volatile organic compounds

SO_2: sulphur dioxide

GE.14-03772 (E)

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GREENHOUSE GAS INVENTORY SUBMISSION											
General information		*Date of receipt*		*Date of resubmission*			*Comments*				
	NIR	11 April 2014									
	CRF tables[a]	11 April 2014									
	Additional information[b]										
	CRF provided for years	1990–2012									
	Base year or period[c]	1990									
	Gases covered	CO_2	CH_4	N_2O	HFCs	PFCs	SF_6	NO_X	CO	NMVOCs	SO_2
		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
NIR	Description	The organization of the NIR, in general, follows the structure outlined in the revised UNFCCC reporting guidelines[d] (decision 18/CP.8).									
	Language of NIR	English									

[a] CRF tables are contained in document FCCC/SBSTA/2006/9, annex II.

[b] Additional information can be any information submitted by a Party in conjunction with the NIR or CRF tables.

[c] Parties included in Annex I to the Convention undergoing the process of transition to a market economy may use a base year or a period of years other than 1990, in accordance with the provisions of Article 4, paragraph 6, of the Convention and decisions 9/CP.2 and 11/CP.4.

[d] "Guidelines for the preparation of national communications by Parties included in Annex I to the Convention, Part I: UNFCCC reporting guidelines on annual inventories" (FCCC/SBSTA/2006/9).

PART I

Provision of information for the latest reported inventory year in the common reporting format: 2012

Tables		*Energy*		*Industrial processes*		*SOPU*		*Agriculture*		*LULUCF*		*Waste*					
	Sectoral report tables	1	✓	2(I)	✓	3	✓	4	✓	5	✓	6	✓				
				2(II)	✓												
	Sectoral background data tables	1.A(a)	✓	2(I).A–G	✓	3.A–D	✓	4.A	✓	5.A	✓	6.A	✓				
		1.A(b)	✓	2(II).C	✓			4.B(a)	✓	5.B	✓	6.B	✓				
		1.A(c)	✓	2(II).E	✓			4.B(b)	✓	5.C	✓	6.C	✓				
		1.A(d)	✓	2(II).F	✓			4.C	✓	5.D	✓						
		1.B.1	✓					4.D	✓	5.E	✓						
		1.B.2	✓					4.E	✓	5.F	✓						
		1.C	✓					4.F	✓	5 (I)	✓						
		Bunkers separately	✓							5 (II)	✓						
										5 (III)	✓						
										5 (IV)	✓						
										5 (V)	✓						
	Summary tables	Summary 1.A	✓			Summary 1.B	✓			Summary 2	✓						
	Other tables	Summary 3	✓			Table 7 (Key categories)	✓			Table 9(a) (Completeness)	✓						
		Table 10 (Trends)	✓							Table 9(b) (Completeness)							
	Comments																
Totals	Provided for gases	CO_2 ✓		CH_4 ✓		N_2O ✓		*HFCs* ✓		*PFCs* ✓		SF_6 ✓					
	Provided for years	1990–2012		1990–2012		1990–2012		1990–1992, 1995–2012		1990–2012		1990–2012					
CO_2	Comparison of CO_2 from fuel combustion	*Reference approach*		*Sectoral approach*		*Difference more than 2 per cent*		*If difference is more than 2 per cent*									
		✓		✓				Explanation provided									
HFCs, PFCs, SF_6	Disaggregation by species			*HFCs*		*PFCs*		*SF_6*									
				✓		✓											
	Reporting of actual and/or potential emission estimates in the category consumption of halocarbons and SF_6			Actual	Potential	Actual	Potential	Actual	Potential								
				✓	✓	✓	✓	✓	✓								
Notation keys	*Used in*	*Summary table 1.A*	✓	*Sectoral report tables*	✓	*Sectoral background data tables*	✓										
	Comments																

PART II

Provision of common reporting format tables for years reported

				Years													
				Base year[a]	*1990*	*1995*	*2000*	*2005*	*2006*	*2007*	*2008*	*2009*	*2010*	*2011*	*2012*	*Information gaps relating to reporting*[b]	*Comments*
Energy	Sectoral report: Table 1				✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
	SBDT	Table 1.A(a)			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
		Table 1.A(b)			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
		Table 1.A(c)			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
		Table 1.A(d)			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
		Table 1.B.1			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
		Table 1.B.2			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
		Table 1.C			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
Industrial processes	Sectoral reports:		Table 2(I)		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
			Table 2(II)		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
	SBDT	Table 2(I).A–G			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
		Table 2(II).C			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
		Table 2(II).E			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		No numerical data are reported in this table for the years 1993–2012. For these years the notation keys NA and NO are used.
		Table 2(II).F			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		No numerical data are reported in this table for the years 1990–1994. For these years the notation keys NA and IE are used.
SOPU	Sectoral report: Table 3				✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
	SBDT	Table 3.A–D			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		

PART II

Provision of common reporting format tables for years reported (continued)

			Years													
			Base year[a]	*1990*	*1995*	*2000*	*2005*	*2006*	*2007*	*2008*	*2009*	*2010*	*2011*	*2012*	*Information gaps relating to reporting*[b]	*Comments*
Agriculture	Sectoral report: Table 4			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
	SBDT	Table 4.A		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
		Table 4.B(a)		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
		Table 4.B(b)		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
		Table 4.C		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		No numerical data are reported in this table for the years 1990–2012. For these years the notation keys NO and NA are used.
		Table 4.D		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
		Table 4.E		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		No numerical data are reported in this table for the years 1990–2012. For these years the notation key NO is used.
		Table 4.F		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
LULUCF	Sectoral report: Table 5			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
	SBDT	Table 5.A		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
		Table 5.B		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
		Table 5.C		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		No numerical data are reported in this table for the years 1990–2012. For these years the notation keys NE and NO are used.
		Table 5.D		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
		Table 5.E		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
		Table 5.F		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		No numerical data are reported in this table for the years 1990–2012. For these years the notation keys NE and NO are used.
		Table 5(I)		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		No numerical data are reported in this table for the years 1990–2012. For these years the notation keys IE and NA are used.

PART II

Provision of common reporting format tables for years reported (continued)

		Years													
		Base year[a]	*1990*	*1995*	*2000*	*2005*	*2006*	*2007*	*2008*	*2009*	*2010*	*2011*	*2012*	*Information gaps relating to reporting*[b]	*Comments*
	Table 5(II)		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		No numerical data are reported in this table for the years 1990–2012. For these years the notation keys NA and NO are used.
	Table 5(III)		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
	Table 5(IV)		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
	Table 5(V)		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		

PART II

Provision of common reporting format tables for years reported (continued)

			Years													
			Base year[a]	*1990*	*1995*	*2000*	*2005*	*2006*	*2007*	*2008*	*2009*	*2010*	*2011*	*2012*	*Information gaps relating to reporting*[b]	*Comments*
Waste	Sectoral report: Table 6			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
	SBDT	Table 6.A		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
		Table 6.B		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
		Table 6.C		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
Summary and other tables		Summary 1.A		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
		Summary 1.B		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
		Summary 2 (CO_2 equivalent emissions)		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
		Summary 3 (Methods/emission factors)		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
		Table 7 (Key categories)		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
		Table 8(a) (Recalculation – recalculated data)		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			
		Table 8(b) (Recalculation – explanatory information)		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			
		Table 9(a) (Completeness)		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
		Table 9(b) (Completeness)														
		Table 10 (Trends)		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		

[a] Parties included in Annex I to the Convention undergoing the process of transition to a market economy are allowed to use a base year or a period of years other than 1990, in accordance with the provisions of Article 4, paragraph 6, of the Convention and decisions 9/CP.2 and 11/CP.4.

[b] The latest recalculated year is the submission year minus 3.

PART III Provision of information relating to recalculations						
Table 8(a) (Recalculated data)	✓	Comments				
Recalculation reported for years	1990–2011					
Recalculated sectors/gases	Energy	Industri... processes	SOPU	Agriculture	LULUCF	Waste
CO_2	✓	✓			✓	✓
CH_4	✓			✓	✓	✓
N_2O	✓			✓	✓	✓
HFCs		✓				
PFCs		✓				
SF_6		✓				
Table 8(b) (Explanatory information)	✓	✓		✓	✓	✓
Percentage difference in aggregate greenhouse gas emission		Base year estimate:[a]	With LULUCF:	-1.81%	Without LULUCF:	-0.03%
		Latest recalculated year:[b]	With LULUCF:	-1.4%	Without LULUCF:	-0.08%

[a] Parties included in Annex I to the Convention undergoing the process of transition to a market economy are allowed to use a base year or a period of years other than 1990, in accordance with the provisions of Article 4, paragraph 6, of the Convention and decisions 9/CP.2 and 11/CP.4.

[b] The latest recalculated year is the submission year minus 3.